

Table 2. Evaluation of cell cycle phase at different time-points.

Time of treatment (h)	Treatment Group	Cell count (%)			
		G0/G1 phase	S phase	G2 phase	Necrosis
24	DMSO	56.93 ± 12.59	12.25 ± 5.02	25.80 ± 10.80	3.52 ± 3.17
	Carb	52.33 ± 12.07	18.15 ± 2.52	20.83 ± 0.33	6.62 ± 7.83
	Carb UV	43.52 ± 12.52	23.13 ± 10.18	26.30 ± 4.67	3.99 ± 4.01
	DMSO UV	60.63 ± 0.66	9.58 ± 0.49	25.52 ± 3.18	2.99 ± 2.83
48	DMSO	56.72 ± 5.83	11.06 ± 2.77	29.35 ± 5.03	1.96 ± 1.38
	Carb	49.68 ± 5.35	16.33 ± 2.02 *	28.85 ± 7.66	4.09 ± 5.73
	Carb UV	45.76 ± 7.88 *	16.65 ± 4.27 *	33.70 ± 8.16	3.11 ± 3.58
	DMSO UV	52.99 ± 6.36	11.77 ± 1.68	31.41 ± 6.86	2.81 ± 3.09
72	DMSO	61.12 ± 3.36	10.35 ± 3.85	24.52 ± 5.42	2.42 ± 2.00
	Carb	54.14 ± 4.00	17.20 ± 6.24	25.56 ± 3.79	1.59 ± 0.25
	Carb UV	49.31 ± 6.90 *	19.38 ± 8.26	27.03 ± 2.39	2.44 ± 1.14
	DMSO UV	59.40 ± 1.75	11.64 ± 2.72	24.83 ± 1.35	2.32 ± 2.36

Data from 24 h, 48 h and 72 h were generated in experimental duplicates, quintuplicates and triplicates, respectively. No difference was observed between non-treated control group and the vehicle control (data not shown). 48 h and 72 h data were analyzed by ANOVA followed by Dunnett's test to evaluate differences between treated groups and the vehicle control group (* $p < 0.05$). Results are expressed as mean ± standard deviation. DMSO UV – treated with DMSO 0.07% and 375 mJ/cm² solar radiation; Carb UV – treated with carbaryl 100 µM and 375 mJ/cm² solar radiation; Carb – treated with carbaryl 100 µM; DMSO – treated with DMSO 0.07%.